



SACLAP
SOUTH AFRICAN COUNCIL FOR THE
LANDSCAPE ARCHITECTURAL PROFESSION
 REGISTRATION EXAMINATION
PART / SECTION 2: LANDSCAPE DESIGN

MARCH 2007

No	Question	Points
1	Master Planning/Design Framework	
1.1	<p>Your firm is approached by the City of Johannesburg to submit a professional service proposal for the landscape development and upgrade of the sports precinct for the new Orlando Soccer Stadium as part of the 2010 Soccer World Cup preparations. The site was originally developed in 1934 and comprises the following elements/aspects:</p> <ul style="list-style-type: none"> • Original change rooms and grandstands dating back to 1934 • A perennial stream with a natural wetland forming the northern boundary of the site • An informal gravel parking area in the north-eastern corner of the site within the 1:50 year flood line • Historical plantings of category one alien invaders in avenues along the main entrance road to the stadium • Stormwater diverted to drain into a sewer manhole inlet • No wheelchair access • 1.2m high retaining walls without hand railings • A Transnet railway line servitude on the northern side of the perennial stream <p>The brief calls for the re-development of the urban landscape, including a master plan and development guideline document, which should address all legal requirements that should be adhered to as part of this redevelopment initiative. New activities that must be catered for in the design include a pedestrian bridge over the perennial stream and access over the Transnet servitude, improvement of the biodiversity of the stream and wetland, with associated picnic and braai area for spectators, pedestrian walkways, seating etc, a spectator holding/waiting area, a restaurant or coffee shop and a formal parking area. The new stadium will incorporate the original change rooms which will be upgraded to FIFA requirements. As part of the master plan development, priorities for phasing and cost estimates must be provided.</p> <p>a) List the items / activities you would include in your professional fee proposal in order to allow you to complete the required scope of work;</p> <p>b) List the deliverables (types of plans, reports etc) you would have to develop and included in your final master plan framework report to the client.</p>	<p></p> <p style="text-align: right;">12 x 0.25 = 3</p> <p style="text-align: right;">12 x 0.25 = 3</p>

2.	Design	
2.1	You have been requested by a potential client to fully explain the SACLAP recommended design services and phases which you would perform on a fee proposal which you are preparing for a hotel resort along the Wild Coast. List and explain these services and phases to the client.	20 x 0,25= 5
2.2	You are approached by a developer who has acquired approval for an estate to be developed in Bloemfontein. He has requested that you to prepare a fully integrated design for the estate entrance and administration buildings, including all hard and soft landscaping elements. What design elements would you list in your proposal?	4 x 0,25=1
3.	Cost Estimation	
3.1	Complete the attached bill of quantities from the information supplied with the attached plan.	12 x 0,25 = 3
3.2	You have been requested by a corporate institution to prepare a cost estimate on your design for a water feature with associated paving, planting, lighting and reticulation. Explain the process you would follow in order to obtain accurate estimates which will form the basis for the bill of quantities to go out to tender.	12 x 0,25 = 3
3.3	Explain the purpose of a bill of quantities.	2 x 0.25=0.5
3.4	What do you need to specify when writing detailed specifications for plant material to ensure the correct size and plant is planted	10 x 0.25=2.5
4.	Working Drawings and Documentation	
4.1	Briefly explain what the purpose is of the following: a) contract instruction b) latent defects liability period c) practical completion d) contract documents e) security f) drawing register	6 x 0.25=1.5
4.2	Discuss the advantages and disadvantages of choosing retention vs a construction guarantee as the method of providing security for a contract.	12 x 0.25 = 3
4.3	You have designed, in conjunction with a specialist water feature contractor and supplier, a water feature for a corporate institution's new head office. What type of subcontractor would you propose the client use for the construction and installation of the water feature and why?	6 x 0.25=1.5
5.	Office Administration	
5.1	You are interviewing a prospective professional landscape technologist to work in your environmental practitioner's office. What chief core competencies would you be looking for in the candidate if this person were to be involved in environmental work especially on site?	4 x 0.25 = 1
5.2	You are an expanding Landscape Architectural and Environmental practice and are required to purchase software for your office to compliment working with engineering firms and local authorities. What software would you consider and give reasons why?	8 x 0.25 = 2
	TOTAL	30